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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Complete if Known

Application Number	09/988,805
Filing Date	November 20, 2001
First Named Inventor	Peter Geistlich
Group Art Unit	1617
Examiner Name	Unassigned

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Attorney Docket Number

1194-199

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	AA	5162430	A	RHEE et al. ✓	11/10/1992
	AB	5167961	A	LUSSI et al. ✓	12/01/1992
	AC	5206023	A	HUNZIKER	04/27/1993
	AD	5413597	A	KRAJICEK ✓	05/09/1995
	AE	5417975	A	LUSSI et al. ✓	05/23/1995
	AF	5523348	A	RHEE et al. ✓	06/04/1996
	AG	5541295	A	BARRACH et al. ✓	07/30/1996
	AH	5567806	A	ABDUL-MALAK et al. ✓	10/22/1996
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	AM	6153292	A	BELL ET AL.	11/28/2000
	AN	6221109	B1	GEISTLICH et al.	04/24/2001
	AO	6352558	B1	SPECTOR ✓	03/05/2002

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³ Code	Number ⁴	Kind ⁵ (if known)			
	AP	WO	9005755 ✓	A1	Collagen Corporation	05/31/1990	
	AQ	WO	9013302 ✓	A1	Brigham and Women's Hospital	11/15/1990	
	AR	WO	9213565 ✓	A1	Robert F. Shaw	08/20/1992	
	AS	WO	9310722	A2	Research Development Foundation	06/10/1993	
	AT	WO	9311723	A1	Regen Corporation	06/24/1993	
	AU	WO	9319168	A1	Mt. Sinai Hospital Corporation	09/30/1993	
	AV	WO	9518638 ✓	A1	Ed. Geistlich Soehne AG Fuer Chemische Industrie	07/13/1995	
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		Office ³ Code (if known)	Number ⁴	Kind ⁵		
J	AX	WO	9625961	A1	Ed. Geistlich Soehne AG Fuer Chemische Industrie	08/29/1996
J	AY	WO	9732616	A1	Dr. Axel Kirsch	09/12/1997
J	AZ	WO	9802976	A1	American Technology Corporation	01/22/1998
J	BA	WO	9919005	A1	Ed. Geistlich Soehne AG Fuer Chemische Industrie	04/22/1999
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J	BE	AU	663150	B	Research Development Foundation	06/28/1993

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
J	BF	H.A. BREINAN et al., "REPARATIVE TISSUES IN ARTICULAR CARTILAGE DEFECTS IN A CANINE MODEL TREATED BY MICROFRACTURE", 45th Annual Meeting, Orthopaedic Research Society, February 1-4, 1999, Anaheim, CA. (one page)	
J	BG	C.R. LEE et al., "HARVEST AND SELECTED CARTILAGE REPAIR PROCEDURES AFFECT MECHANICAL AND BIOCHEMICAL PROPERTIES OF UNINVOLVED ARTICULAR CARTILAGE IN THE CANINE KNEE", 45th Annual Meeting, Orthopaedic Research Society, February 1-4, 1999, Anaheim, CA. (one page)	
J	BH	C.R. LEE et al., "THE CONTRACTILE BEHAVIOR OF ARTICULAR CHONDROCYTES IN COLLAGEN MATRICES <i>IN VITRO</i> ", Tissue Engineering Soc., Dec. 4-6, 1998, Orlando, Fla. (one page)	
J	BI	S.M. MUELLER et al., "ALPHA-SMOOTH MUSCLE ACTIN IN BOVINE MENISCUS CELLS SEEDED IN TYPE I AND TYPE II COLLAGEN-GAG MATRICES", 44TH Annual Meeting, Orthopaedic Research Society, March 16-19, 1998, New Orleans, Louisiana. (one page)	
J	BJ	S. NEHRER et al., "CHONDROCYTE-SEEDED TYPE I AND TYPE II COLLAGEN IMPLANTS INVESTIGATED <i>IN VITRO</i> ", Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto, CA. (one page)	
J	BK	S. NEHRER et al., "AUTOLOGOUS CHONDROCYTE-SEEDED TYPE I AND II COLLAGEN MATRICES IMPLANTED IN A CHONDRAL DEFECT IN A CANINE MODEL", 44TH Annual Meeting, Orthopaedic Research Society, March 16-19, 1998, New Orleans, Louisiana. (one page)	
J	BL	S. NEHRER et al., "CHONDROCYTE-SEEDED TYPE I AND TYPE II COLLAGEN MATRICES IMPLANTED IN A CHONDRAL DEFECT IN A CANINE MODEL", 7th Conference European Orthopaedic Research Society, Barcelona, 1997. (one page)	
J	BM	S. NEHRER et al., "CHARACTERISTICS OF ARTICULAR CHONDROCYTES SEEDED IN COLLAGEN MATRICES", Tissue Engineering 1998, pp 175-183 vol. 4(2).	



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				Group Art Unit	1617
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	BN	S. NEHRER et al., "MATRIX COLLAGEN TYPE AND PORE SIZE INFLUENCE BEHAVIOUR OF SEEDED CANINE CHONDROCYTES", Biomaterials 18, (1997), pp. 769-776.		
	BO	DONNA SCHULZ-TORRES et al., "TENDON CELL CONTRACTION OF COLLAGEN-GAG MATRICES <i>IN VITRO</i> : EFFECT OF CROSS-LINKING", Soc. for Biomaterials, April 28-May 2, 1999, Providence, R.I. (one page)		
	BP	T.O. SCHNEIDER et al., "EXPRESSION OF α -SMOOTH MUSCLE ACTIN IN CANINE INTERVERTEBRAL DISC CELLS <i>IN SITU</i> AND IN COLLAGEN-GAG MATRICES <i>IN VITRO</i> ", J. Orthopaedic Research In press, pp. 1-22.		
	BQ	S. NEHRER et al., "CANINE CHONDROCYTES SEEDED IN TYPE I AND TYPE II COLLAGEN IMPLANTS INVESTIGATED <i>IN VITRO</i> ", J. Biomed. Mater. Res. (Appl. Biomater.), 1997, pp. 95-104, vol. 38, John Wiley & Sons, Inc.		
	BR	S.M. MUELLER et al., " α -SMOOTH MUSCLE ACTIN AND CONTRACTILE BEHAVIOR OF BOVINE MENISCUS CELLS SEEDED IN TYPE I AND TYPE II COLLAGEN-GAG MATRICES", J. Biomed. Mat. Res., 1999, pp. 1-10, vol. 45, John Wiley & Sons, Inc.		
	BS	Genzyme Tissue Repair, "CARTICEL [™] (autologous cultured chondrocytes), ENGINEERING A BETTER REPAIR", Genzyme Tissue Repair, 64 Sidney Street, Cambridge, MA 02139-4136, 9/97, brochure. (8 pages)		
	BT	D. MUTTER et al., "BIOMATERIAL SUPPORTS FOR COLONIC WALL DEFECT HEALING", Biomaterials 17, 1996, pp. 1411-1415.		
Examiner Signature			Date Considered	9/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.